chain nodes :
38
ring nodes :
1 2 3 4 5 6 7 8 9
ring/chain nodes :
10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
31 32 33 34 35 36 37
ring/chain bonds :
7-11 8-12 9-10 12-13 13-14 13-15 13-16 14-17 15-24 16-31 17-18 18-19
19-20 20-21 21-22 22-23 24-25 25-26 26-27 27-28 28-29 29-30 31-32 32-33
33-34 34-35 35-36 36-37
ring bonds :
1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-9 7-8 8-9
exact/norm bonds :

```
12-13   13-14   13-15   13-16   14-17   15-24   16-31   17-18   18-19   19-20   20-21   21-22
22-23   24-25   25-26   26-27   27-28   28-29   29-30   31-32   32-33   33-34   34-35   35-36
36-37
exact bonds :
4-7   5-9   7-8   7-11   8-9   8-12   9-10
normalized bonds :
1-2   1-6   2-3   3-4   4-5   5-6


Match level :
1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:Atom   8:Atom   9:Atom   10:CLASS
11:CLASS   12:CLASS   13:CLASS   14:CLASS   15:CLASS   16:CLASS   17:CLASS   18:CLASS
19:CLASS   20:CLASS   21:CLASS   22:CLASS   23:CLASS   24:CLASS   25:CLASS   26:CLASS
27:CLASS   28:CLASS   29:CLASS   30:CLASS   31:CLASS   32:CLASS   33:CLASS   34:CLASS
35:CLASS   36:CLASS   37:CLASS   38:CLASS




L1      STRUCTURE UPLOADED

=> s l1 sss full
FULL SEARCH INITIATED 11:25:59 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -        6 TO ITERATE

100.0% PROCESSED        6 ITERATIONS                              0 ANSWERS
SEARCH TIME: 00.00.01

L2           0 SEA SSS FUL L1

=>
Uploading C:\Documents and Settings\mpepitone\My Documents\ChemDraw\11663870\2.str
```
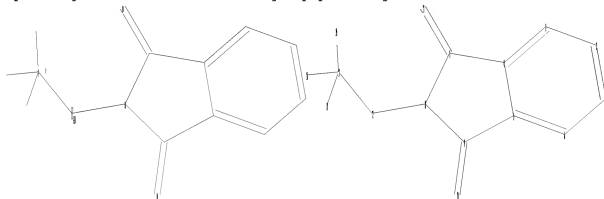


```
chain nodes :
15  16  17
ring nodes :
1   2   3   4   5   6   7   8   9
ring/chain nodes :
10  11  12  13
chain bonds :
13-15   13-16   13-17
ring/chain bonds :
7-11   8-12   9-10   12-13
ring bonds :
1-2   1-6   2-3   3-4   4-5   4-7   5-6   5-9   7-8   8-9
exact/norm bonds :
```
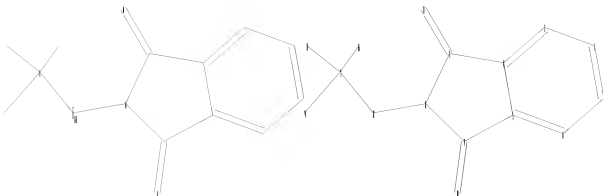
```
chain nodes :
15  16
ring nodes :
1  2   3   4   5   6   7   8   9
ring/chain nodes :
10  11  12  13  14
chain bonds :
13-15  13-16
ring/chain bonds :
7-11  8-12  9-10  12-13  13-14
ring bonds :
1-2  1-6  2-3  3-4  4-5  4-7  5-6  5-9  7-8  8-9
exact/norm bonds :
12-13  13-14  13-15  13-16
exact bonds :
4-7  5-9  7-8  7-11  8-9  8-12  9-10
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6


Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:CLASS
11:CLASS  12:CLASS  13:CLASS  14:CLASS  15:CLASS  16:CLASS




L6      STRUCTURE UPLOADED

=> s l6 sss full
FULL SEARCH INITIATED 11:38:20 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     3032 TO ITERATE

100.0% PROCESSED     3032 ITERATIONS                         572 ANSWERS
SEARCH TIME: 00.00.01

L7          572 SEA SSS FUL L6

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                ENTRY       SESSION
FULL ESTIMATED COST                             191.54      654.53

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)     SINCE FILE      TOTAL
```
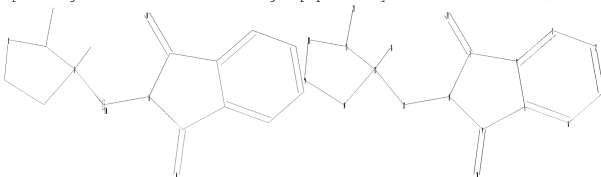
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Documents and Settings\mpepitone\My Documents\ChemDraw\11663870\6.str

chain nodes :
16 21
ring nodes :
1 2 3 4 5 6 7 8 9 13 14 15 19 20
ring/chain nodes :
10 11 12
chain bonds :
13-16 15-21
ring/chain bonds :
7-11 8-12 9-10 12-13
ring bonds :
1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-9 7-8 8-9 13-14 13-15 14-19 15-20 19-20

exact/norm bonds :
12-13 13-14 13-15 13-16 14-19 15-20 19-20
exact bonds :
4-7 5-9 7-8 7-11 8-9 8-12 9-10 15-21
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 19:Atom 20:Atom
21:CLASS

L13   STRUCTURE UPLOADED

=> s l13 sss full
FULL SEARCH INITIATED 12:03:15 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   2 TO ITERATE
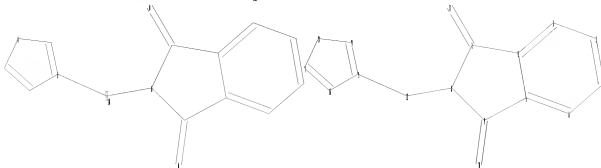
100.0% PROCESSED   2 ITERATIONS   0 ANSWERS
SEARCH TIME: 00.00.01

L14   0 SEA SSS FUL L13

```
=>
Uploading C:\Documents and Settings\mpepitone\My
Documents\ChemDraw\11663870\imuy.str
```



```
ring nodes :
1   2   3   4   5   6   7   8   9   15   16   17   18   19
ring/chain nodes :
10   11   12
chain bonds :
12-15
ring/chain bonds :
7-11   8-12   9-10
ring bonds :
1-2   1-6   2-3   3-4   4-5   4-7   5-6   5-9   7-8   8-9   15-16   15-19   16-17   17-18   18-19

exact/norm bonds :
12-15   15-16   15-19   16-17   17-18   18-19
exact bonds :
4-7   5-9   7-8   7-11   8-9   8-12   9-10
normalized bonds :
1-2   1-6   2-3   3-4   4-5   5-6


Match level :
1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:Atom   8:Atom   9:Atom   10:CLASS
11:CLASS   12:CLASS   15:Atom   16:Atom   17:Atom   18:Atom   19:Atom




L15      STRUCTURE UPLOADED

=> s l15 sss full
FULL SEARCH INITIATED 12:05:35 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     6915 TO ITERATE

100.0% PROCESSED     6915 ITERATIONS                     57 ANSWERS
SEARCH TIME: 00.00.01

L16        57 SEA SSS FUL L15

=> file caplus
COST IN U.S. DOLLARS                        SINCE FILE      TOTAL
                                              ENTRY       SESSION
FULL ESTIMATED COST                          384.55       2084.38
```